

APPROPRIATIONS REQUEST FORM OREGON HOUSE DELEGATION FISCAL YEAR 2010

DEADLINE FOR SUBMISSION: FEBRUARY 20, 2009

PLEASE NOTE: As required by the House Appropriations Committee, all requests will be made public on the requesting Member's website.

1. Project Title: Disease Reduction in Klamath River Salmon

2. Organization Name and address:

Oregon State University
Corvallis, Oregon 97331-4501

3. Primary Contact name, phone number, mobile phone number, fax number and email:

4. Project Location Address (if different from Organization):

Corvallis, Oregon and in the Klamath River Basin

5. Please describe the requesting organization's main activities, and whether it is a public, private non-profit, or private for-profit entity:

Public University. Oregon State University is one of only two U.S. universities designated a land grant, sea grant, space grant and sun grant institution. Its more than 20,300 students come from all 50 states and more than 80 countries. OSU programs touch every county within Oregon, and its faculty teach and conduct research on issues of national and global significance.

6. Briefly describe the activity or project for which funding is requested (please keep to 500 words or less.)

Salmon losses in the Klamath basin have had devastating effects on tribal communities along the river and the coastal communities of Oregon and California. The recent closure of the salmon troll industry in 2006 was a management decision in response to the low contribution of the Klamath basin - only 5% of the fishery - with disease being a primary factor. The cost to Oregon coastal communities was estimated to be \$28 million dollars in 2006 and Governors of both Oregon and California declared fishery disasters that resulted in allocation of \$60 million dollars in federal assistance.

The reduction of the commercial catch by 90% in 2006 was a direct result of the weak returns of Chinook salmon to the Klamath River (KR). Severe infection by the myxozoan parasite *Ceratomyxa shasta* has, in large part, been responsible for the declining numbers of juvenile KR fall Chinook and coho salmon and subsequent impacts on later adult returns. Results of 2008 studies indicate that disease in KR salmon was more severe last year than during any time since disease monitoring began.

Funds awarded will research management actions to reduce disease (ceratomyxosis) in natural juvenile salmon of the KR.

Research will be conducted through controlled laboratory and field experiments administered by collaborations between OSU, Humboldt State University (HSU), the University of California, Davis (UC-D), the US Fish and Wildlife Service (USFWS), the Yurok and Karuk Tribes (KR Tribes), and California and Oregon governmental agencies. These studies will be conducted over 2-3 years, leading to large-scale tests or implementation to reduce disease in salmon on the Klamath River.

7. Has this project received federal appropriations funding in past fiscal years?

No. Funding for the first year of the project is currently pending in the FY09 Commerce, Justice and State Appropriations Bill. The Senate has recommended \$250K and the House \$640K.

7a. If yes, please provide fiscal year, Department, Account, and funding amount of any previous funding.

N/A

8. Federal agency and account from which funds are requested (Please be specific –e.g. Department of Housing and Urban Development, Economic Development Initiatives account):

NOAA-National Marine Fisheries Service; Account - Operations, Research and Facilities; Subactivity - Fisheries Research and Management Programs

9. What is the purpose of the project? Why is it a valuable use of taxpayer funds? How will the project support efforts to improve the economy and create jobs in Oregon?

This project will return many fishermen to work and thus provide basic support to coastal communities. There are approximately 3,000 licensed commercial salmon fishermen in Oregon and California whose businesses and incomes are tied directly to Klamath River Chinook salmon production. Healthy fish runs also support the recreational fishery and the guides, motels and restaurants on the coast and in the Klamath basin.

Klamath basin agriculture depends almost entirely on the availability of water for irrigation. Maintaining healthy fish populations is a prerequisite to having adequate water available for agricultural production.

Healthy salmon returns add large amounts of nutrients back into the watershed. This annual input of nutrients is key in maintaining the health of the river ecosystem.

Annual salmon returns are very important to Klamath Tribes for subsistence, economic, cultural, and religious reasons.

10. Have you requested funding for this project from other Members of Congress?

If so, who? Support is being sought from the entire Oregon Congressional Delegation

11. Funding Details:

a. Total project cost (all funding sources and all years):

Total FY10 cost is \$2.42 million with \$1.5 million requested. We anticipate a total federal request of \$7.5 million over 5 years and anticipate an additional \$4.5 million in supporting research.

b. Amount being requested for this project in Fiscal Year 2010: \$1.5M

c. What other funding sources (local, regional, state) are contributing to this project or activity? (Please provide specific dollar amount or percentage.)

This grant program does not allow partner universities to charge overhead expenses, thus the universities will cover facilities maintenance, operations, repair and upgrading expenses as well as administrative operational expenses through other funding sources. Funding for FY09 to OSU is from the State of Oregon (\$106,000); the Pacific States Marine Fish Commission (\$90,000), Oregon Sea Grant (\$84,000) and the Bureau of Reclamation (\$365,000). Additionally, the State of California provides support in the field as well as providing fish for research studies. Collaborators in this project receive an additional \$600,000 annually for research and monitoring. Numerous groups along the Klamath River provide support; for example Klamath River tribes regularly assist with sampling. Other sources of private funds are currently being pursued for match.

d. Do you expect to request federal funding in future years for this project? Yes

**e. Breakdown/budget of the amount you are requesting for this project in FY 2010.
(e.g. salary \$40,000; computer \$3,000):**

A total of 1.5 million dollars is requested for each study year for a collaborative research plan involving Oregon State University, Humboldt State University, University of California – Davis, the USFWS and Klamath River tribal agencies. In the initial project years, research will be conducted in the laboratory and in controlled field studies to answer questions related directly to the management actions that were identified as having the highest potential for reducing disease-related mortality.

Allocation of these funds will vary annually, with funding during the first 2 years directed toward field and laboratory studies that answer the basic questions that will allow us to determine the feasibility of management actions. In years 3 - 5 we propose pilot actions either in river or on a larger scale. These tests will require funding for permitting and for tagging and recapture of fish to evaluate the effectiveness of actions taken. Laboratory studies will continue during years 3-5 to address questions as they arise and to validate observations in the field and to develop appropriate models.

FY 2010	Funding	Collaborator
Project coordination	50,000	OSU
Laboratory/field studies	350,000	OSU
	200,000	HSU
	200,000	UC-D
	200,000	USFWS
Field assistance	150,000	KR Tribes
Permitting and tagging	200,000	
Consulting (hydrology)	100,000	contract
Meetings and reports	50,000	all collaborators

f. Please list public or private organizations that have supported/endorsed this project:

Oregon Salmon Commission
Oregon Coastal Zone Management
Klamath Water Users Association-- Common Ground Alliance

Salmon Troller
Pacific Coast Federation of Fishermen's Associations
Newell Seafoods
Jim McCarthy
Earthjustice
Karuk Tribe
Northwest Steelheaders

g. Is this project scalable? (i.e. if partial funding is awarded, will the organization be able to use the funds in FY 2010?): Yes